

# AEROSIL® R 711

## Surface modified fumed silica

### Characteristic physico-chemical data

Properties and test methods	Unit	Value
Specific surface area (BET)	m <sup>2</sup> /g	125 - 175
pH value 4% dispersion		4.0 - 6.0
Loss on drying* 2 hours at 105 °C	%	≤ 1.5
C content	%	4.5 - 6.5
Tamped density* modified	g/l	approx. 60
SiO <sub>2</sub> content based on ignited material	%	≥ 99.8
* ex plant The data represents typical values (no product specification).		

### Registrations (substance or product components)

#### AEROSIL® R 711

CAS-No.	100 402-78-6
REACH (Europe)	exempted
TSCA (USA)	registered
DSL (Canada)	registered
ENCS (Japan)	registered

AEROSIL® R 711 is a fumed silica aftertreated with a methacrylsilane.

### Applications and properties

#### Applications

- Paints and coatings systems
- Plastics and elastomers
- Dental composites

#### Properties

- Effective rheology control in complex liquid systems
- Improvement of scratch and mar resistance of paints and coatings systems (e.g. UV-curing) and printing inks
- Improvement of the mechanical properties, e.g. hardness of composite formulations and plastics

### Safety and handling

A safety data sheet will be provided with your first delivery and with subsequent revisions. Additionally, the Product Safety Department of Evonik Resource Efficiency GmbH can be contacted via mail at [sds-hu@evonik.com](mailto:sds-hu@evonik.com) for specific questions. We recommend to read the safety data sheet carefully prior to use of the product.

### Packaging and storage

AEROSIL® R 711 is supplied in multiple layer 10 kg bags. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances. AEROSIL® R 711 should be used within 2 years after production.

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## Customer Service

### Europe/ Middle-East/ Africa/ Latin America

#### Evonik Resource Efficiency GmbH

Business Line Silica  
PB 010-A410  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59 12532  
FAX +49 6181 59 712532  
aerosil@evonik.com  
www.aerosil.com

### North America

#### Evonik Corporation

Business Line Silica  
299 Jefferson Road  
Parsippany, NJ 07054-0677  
USA  
PHONE +1 800-233-8052  
FAX +1 973-929-8502  
aerosil@evonik.com  
www.aerosil.com

### Asia (excluding Japan)

#### Evonik (SEA) Pte. Ltd.

Business Line Silica  
3 International Business Park  
Nordic European Centre, #07-18  
Singapore 609927  
PHONE +65 6809-6877  
FAX +65 6809-6677  
aerosil@evonik.com  
www.aerosil.com

### Japan

#### NIPPON AEROSIL CO., LTD.

Marketing & Sales Division  
P.O. Box 7015  
Shinjuku Monolith 13F  
3-1, Nishi-Shinjuku 2-chrome  
Shinjuku-ku, Tokyo  
163-0913 Japan  
PHONE +81 3 3342-1789  
FAX +81 3 3342-1761  
infonac@evonik.com  
www.aerosil.jp

## Technical Service

### Europe/ Middle-East/ Africa/ Latin America

#### Evonik Resource Efficiency GmbH

Business Line Silica  
HPC 911-221 A  
Rodenbacher Chaussee 4  
63457 Hanau-Wolfgang  
Germany  
PHONE +49 6181 59-3936  
FAX +49 6181 59 4489  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### North America

#### Evonik Corporation

Business Line Silica  
2 Turner Place  
Piscataway, NJ 08855-0365  
USA  
PHONE +1 888 SILICAS  
PHONE +1 732 981-5000  
FAX +1 732 981-5275  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### Asia (excluding Japan)

#### Evonik Specialty Chemicals (Shanghai) Co.,Ltd

Business Line Silica  
55 Chundong Road  
Xinzhuang Industry Park  
Shanghai 201108  
P.R. China  
PHONE +86 21 6119-1151  
FAX +86 21 6119-1075  
technical.service.aerosil@  
evonik.com  
www.aerosil.com

### Japan

#### NIPPON AEROSIL CO., LTD.

Applied Technology Group  
3 Mita-Cho  
Yokkaichi, Mie  
510-0841 Japan  
PHONE +81 59 345-5270  
FAX +81 59 346-4657  
infonac@evonik.com  
www.aerosil.jp